

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

*TRANSLATION*  
**PCT**

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference <b>28543-PCT</b>		Date of mailing (day/month/year)	
International application No. <b>PCT/JP2006/308428</b>		International filing date (day/month/year) <b>21.04.2006</b>	Priority date (day/month/year) <b>19.07.2005</b>
International Patent Classification (IPC) or both national classification and IPC			
Applicant <b>KABUSHIKI KAISHA PILOT CORPORATION</b>			

1. This opinion contains indications relating to the following items:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Box No. I	Basis of the opinion				Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
		Priority						
		Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
		Lack of unity of invention						
		Certain documents cited						
		Certain defects in the international application						
		Certain observations on the international application						

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Date of completion of this opinion	Authorized officer
Facsimile No.		Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/JP2006/308428

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:  
 the international application in the language in which it was filed  
 the translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
 a sequence listing  
 table(s) related to the sequence listing
  - b. format of material  
 on paper  
 in electronic form
  - c. time of filing/furnishing  
 contained in the international application as filed  
 filed together with the international application in electronic form  
 furnished subsequently to this Authority for the purposes of search
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/JP2006/308428

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																										
<p><b>1. Statement</b></p> <table> <tr> <td>Novelty (N)</td> <td>Claims</td> <td>1-5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td></td> <td>NO</td> </tr> <tr> <td>Inventive step (IS)</td> <td>Claims</td> <td>1-5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td></td> <td>NO</td> </tr> <tr> <td>Industrial applicability (IA)</td> <td>Claims</td> <td>1-5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td></td> <td>NO</td> </tr> </table>				Novelty (N)	Claims	1-5	YES		Claims		NO	Inventive step (IS)	Claims	1-5	YES		Claims		NO	Industrial applicability (IA)	Claims	1-5	YES		Claims		NO
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<p><b>2. Citations and explanations:</b></p> <p>Document 1: JP 7-32133 Y2 (Aki Boeki K.K.), 26 July 1995, full text, all drawings</p> <p>Document 2: JP 45-24978 Y1 (The Sailor Pen Co., Ltd.), 30 September 1970, full text, all drawings</p> <p>Document 3: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 182940/1986 (Laid-Open Utility Model No. 87072/1988), (K.K. Kotobuki), 07 June 1988, full text, all drawings</p>																											
<p><b>[Claim 1]</b> The invention described in claim 1 appears to be novel and involves an inventive step. In particular, the following technical features of the invention described in claim 1 are not disclosed in any of documents 1-3.</p> <p>On the inner sheath, there are provided on the front end surface, a projection for rotation range limitation, and on the inner periphery surface, a cam for refill sliding, and a cam for tip-fitting sliding. the refill sliding body and a tip-fitting sliding body are respectively provided with a sliding protrusion on the outer surface thereof, the sliding protrusion engages with the cam for refill sliding and the cam for tip-fitting sliding, and a connector comprises a member for rotation range limitation on the outer surface thereof, and the member for rotation range limitation restricts the inner sheath rotation.</p> <p>Moreover, these technical features would not be obvious to a person skilled in the art based on documents 1-3.</p> <p><b>[Claims 2-5]</b> The inventions of claims 2-5 include all of the features described in claim 1. Therefore, based on the above reasons presented for claim 1, the inventions described in claims 2-5 appear to be novel and involve an inventive step.</p>																											